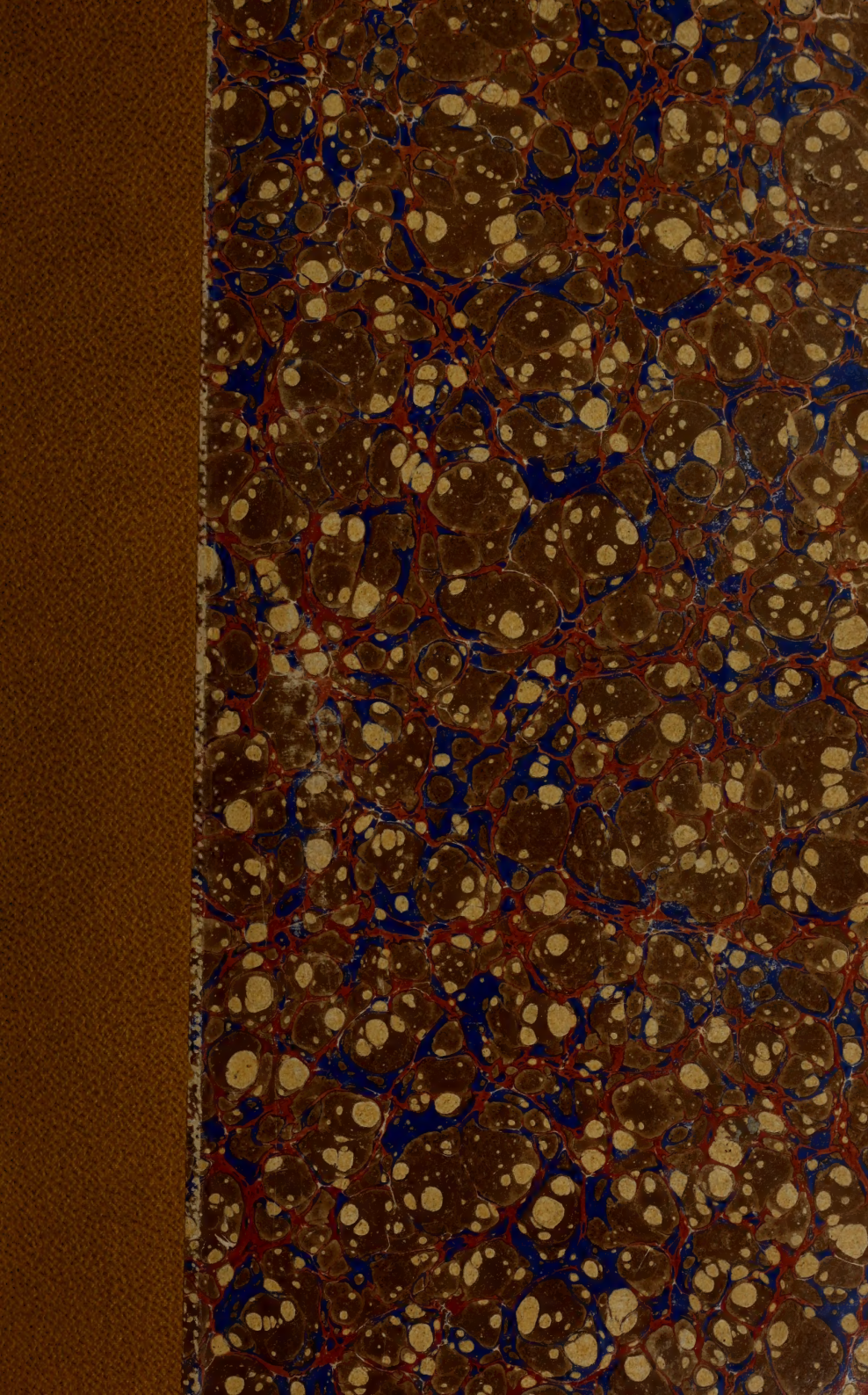


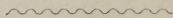


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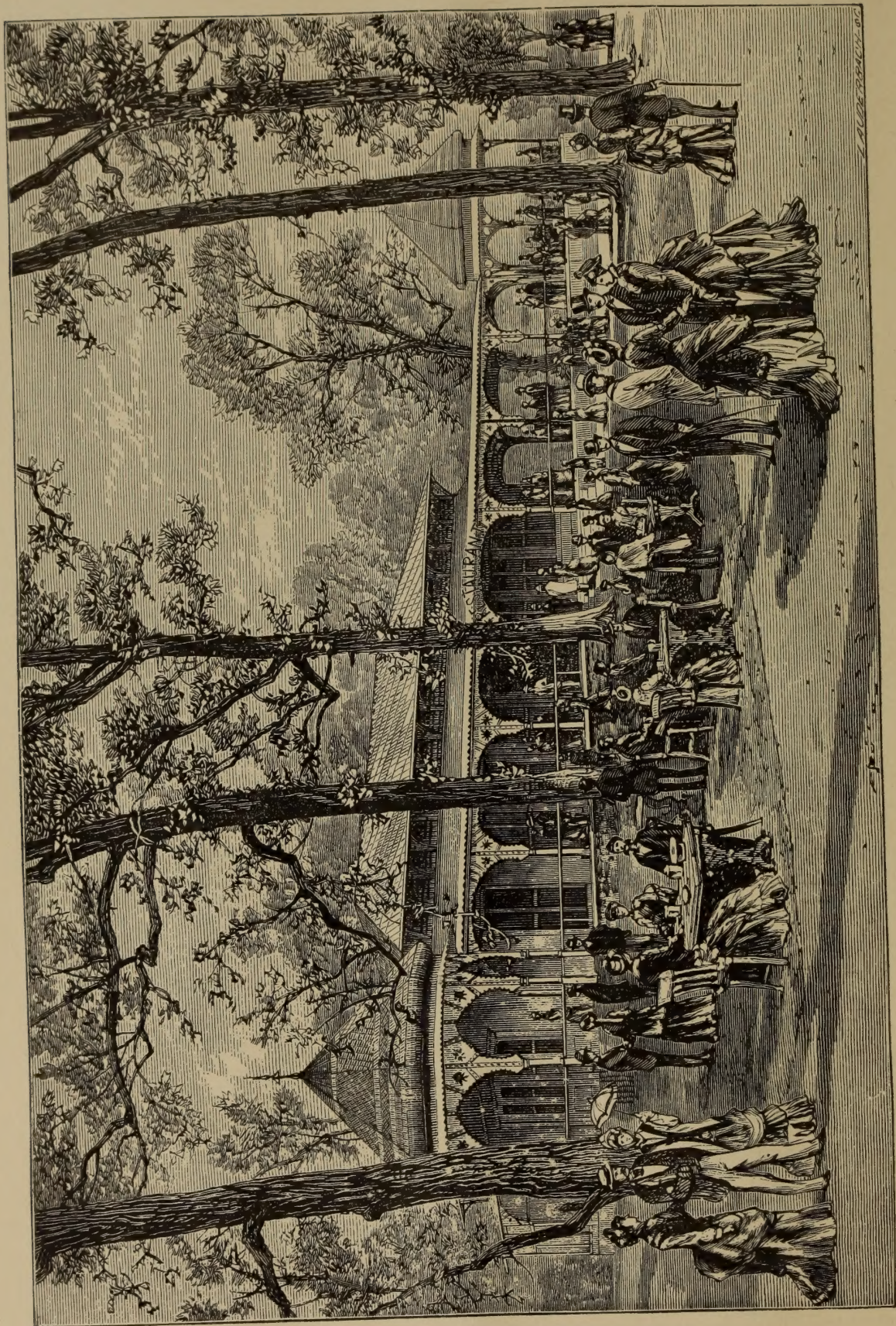
Library of the Museum
OF
COMPARATIVE ZOÖLOGY,

AT HARVARD COLLEGE, CAMBRIDGE, MASS.

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No. 6110



THE
FOURTH ANNUAL REPORT
OF THE
BOARD OF DIRECTORS
OF THE
ZOOLOGICAL SOCIETY
OF PHILADELPHIA.

(Incorporated March 21, 1859.)

READ AT THE ANNUAL MEETING OF THE MEMBERS AND LOAN-
HOLDERS OF THE SOCIETY,

APRIL 27, 1876.

PHILADELPHIA.

1876.

THE
Zoological Society of Philadelphia

OFFICE, 230 SOUTH THIRD STREET.

OFFICERS.

For the year ending April 25, 1877.

President,

WILLIAM CAMAC, M. D.

Vice Presidents,

J. GILLINGHAM FELL, GEORGE W. CHILDS.

Corresponding Secretary,

JOHN L. LECONTE, M. D.

Recording Secretary,

JOHN SAMUEL.

Treasurer,

FRANK H. CLARK.

Directors,

WILLIAM S. VAUX,	S. FISHER CORLIES,
FREDERICK GRAFF,	THEO. L. HARRISON,
CHARLES W. TROTTER,	HENRY C. GIBSON,
J. VAUGHAN MERRICK,	ISAAC J. WISTAR,
JOHN WAGNER,	EDWARD BIDDLE,
WILLIAM H. MERRICK,	WILLIAM HACKER,

Actuary,

CHARLES L. JEFFERSON,

Superintendent of the Garden,

ARTHUR E. BROWN,

Solicitors,

S. WAGNER, Jr. W. W. MONTGOMERY.

REPORT

OF THE

BOARD OF DIRECTORS.

Philadelphia, April 27th, 1876.

The Board of Directors of the Zoological Society of Philadelphia, submit to the members and loan-certificate holders, this, their fourth annual report, of the business and operations of the Society, from 1st of March 1875, to 1st of March, 1876.

MEMBERS.

The number of members of the Society, on the 1st of March, 1876, was:—

Annual members,	770
Life, “	179
Corresponding “	9
Honorary “	14

Total members (exclusive of loan holders), 972

An increase over preceding year of

Annual members	68
Life “	34
Corresponding “	2
Honorary “	3

Total increase of members, 107

During the year 4 members have died, and 9 have been transferred from annual to life members.

The number of loan holders is 412.

Mr. JOHN Y. CULYER, *Dep. of Parks, Brooklyn, N. Y.*, and CAPT. JOHN H. MORTIMER, of the ship, *Hamilton Fish*, were elected corresponding members, and DR. ANTON DOHRN, *Director of Aquarium, Naples, Italy*, PROF. JOSEPH HENRY, *Smithsonian Institution, Washington, D. C.*, and PROF. JOSEPH LEIDY, *University of Penna., Philad'a.*, honorary members.

VISITORS.

The anticipations of the Directors in regard to the increase in the number of visitors at the Society's Garden, have been fully realized. From the 1st of March, 1875, to the 1st of March, 1876, the very large number of 419,776 persons have passed through the gates. An increase of 68,972 over the preceding year. The very great attractions of the Garden, and its collection, added to its immediate proximity to the main railroad approaches of our city, have caused its availability as an resort for excursions from adjacent counties to become generally recognized. To add to the accommodation of this class of visitors, a place of deposit for packages, bundles, &c, has been provided; and a handsome Restaurant, under the Society's control, has been erected. It is expected that a siding and station will shortly be erected on the Junction railroad, directly at the southern entrance, so that excursionists can be landed directly at our gates.

The following tables show the number of admissions and gate receipts, in detail, for the past year :—

Adults, (paying 25 cents at the gates),	296,567
Children (" 10 " " ")	61,704
Members, (this includes life and annual members, loan-holders' annual, and complimentary annual tickets)	12,359
Loan-holders' tickets, (single)	7,935
Free admissions, charitable institutions, tickets to donors, &c.	2,493
Tickets sold by local agents, . . .	1,161
" " " Race & Vine st. R. R. rec'd	20,239
" " " Green & Coates " "	3,030
Carried forward, ...	405,488

Brought forward,	405,488
Tickets sold by Spruce & Pine st. R. R. rec'd,	2,167
“ “ “ Union “ “	51
“ “ “ Pennsylvania “ “	270
“ “ “ Steamboat Co. “ “	8,583
Package tickets received,	3,217

Total visitors,	419,776
-----------------	---------

Visitors entered through north gate,	286,984
“ “ “ south “	132,792

Receipts from north gate,	\$61,191 65
“ “ south “	26,792 46

Total receipts,	\$87,984 11
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Average daily admission,	1150
--------------------------	------

Average daily receipts from admission,	\$241 05
--	----------

Monthly record of Visitors for 1875-76, with the corresponding account of 1874-75 :

MONTHS.	1874-75.	1875-76.	COMPARISON.
March,		8,493	
April,		21,377	
May,		43,396	
June,		49,981	
July,	54,399	53,730	Decr. 669
August,	61,128	64,501	Incr. 3,373
September,	34,420	57,197	“ 22,777
October,	31,374	52,426	“ 21,052
November,	16,383	19,981	“ 3,598
December,	8,519	15,058	“ 6,539
January,	12,434	19,887	“ 7,453
February,	8,900	13,749	“ 4,849
	227,557	419,776	*Incr. 68,972

*Total increase of eight months in 1875-76 over the corresponding period in 1874-75.

The greatest number of Visitors on any one day was on
Monday, July 5th, 1875, . . . 11,245.

The least, on Monday, March 1st, 1875, . . . 4.

Average daily Visitors, 1874-5. . . 936.

“ “ “ 1875-6. . . 1,150.

Increase of daily Visitors, . . . 214.

Monthly record of receipts from admission for 1875-76,
with the corresponding account of 1874-5 :

MONTH.	1874-75.	1875-76.	COMPARISON.
March,		1,763 78	
April,		4,507 11	
May,		9,100 79	
June,		10,357 46	
July,	\$11,601 45	11,350 35	Dec.\$251 10
August,	13,147 40	13,505 36	Inc. 357 96
September,	7,360 90	12,131 83	“ 4,770 93
October,	6,447 60	11,083 16	“ 4,635 56
November,	3,305 85	4,148 79	“ 842 94
December,	1,790 95	3,141 90	“ 1,350 95
January,	2,492 04	4,130 08	“ 1,638 04
February,	1,755 46	2,763 50	“ 1,008 04
	\$47,901 65	\$87,984 11	*14,353 32

* Total increase of eight months in 1875-6 over the
corresponding period in 1874-5.

The largest amount of receipts at the gates, on any one
day, was July 5th, 1875, . . . \$2,497 88.

The least on March 1st, 1875, . . . \$1.00.

Average daily receipts from admission, 1874-5, \$197.13.

“ “ “ “ “ 1875-6, 241.05.

Increase of daily receipts from admission, \$43.92.

LOAN.

Since the last report there has been subscribed to the loan of the Society, \$127,675, making together with the Cope subscription, the funded indebtedness of the Society, on March 1st, 1876, \$243,511. The interest on the Cope subscription, due September 1st, 1875, amounting to \$785.48, and also that coming due September, 1876, has been given by the Trustees to the Society, and has been appropriated towards the construction of tanks for Sea Lions. The Board will, most likely, at an early date, determine the amount at which the funded debt of the Society shall be fixed. In this event the amount remaining undisposed of will probably be small, and it will be necessary for those who desire to partake of the benefit of this investment to make early application therefor.

IMPROVEMENTS.

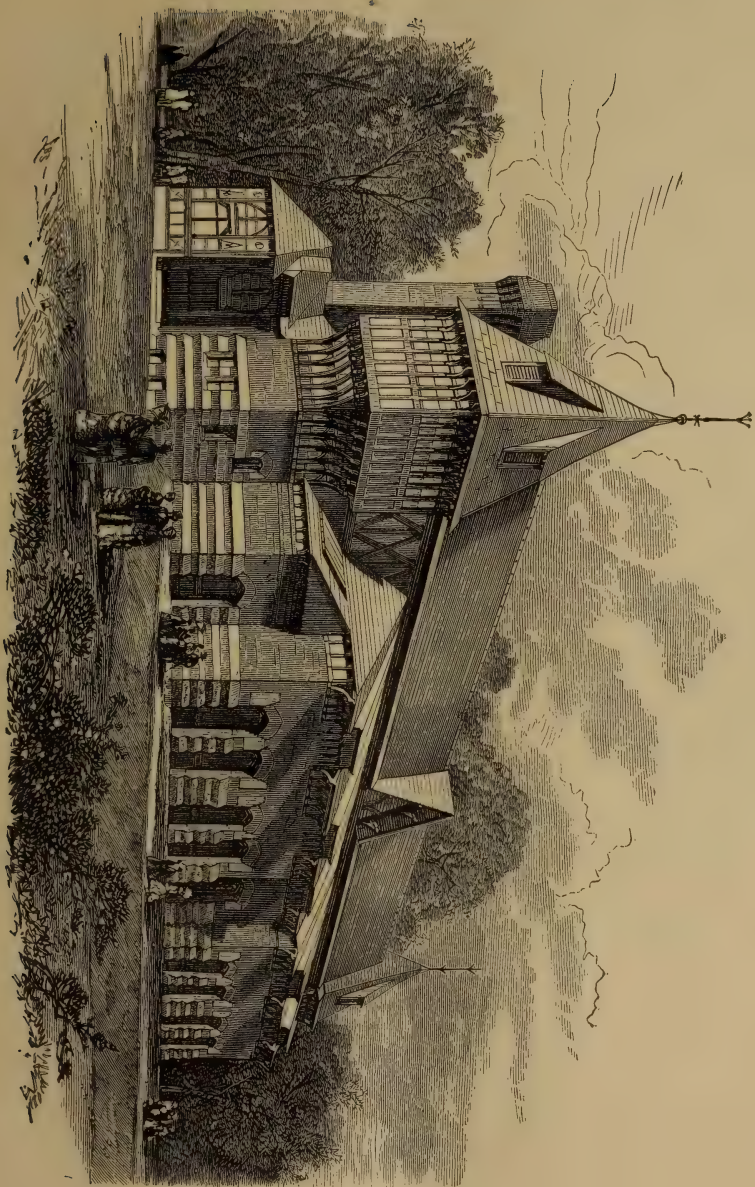
In the past, as will necessarily be the case for some years to come, heavy drains upon the resources of the Society have been made in erecting permanent buildings.

The southern half of the Carnivora House has been erected, and the building has been entirely completed, at an additional cost over that previously reported, of \$23,400, making in all \$48,400. The external iron cages for the summer use of the animals in this house, have been erected at a cost of \$8,300, along the western and southern exposures; a handsome iron railing at the edge of the path, surrounds these cages, at a distance safe for visitors.

A house for Elephants, Rhinoceros, &c., 195 feet long by 55 feet broad, has been erected near the lake. It affords a single row of elevated enclosures, a broad walk and retiring rooms for spectators, and ample accommodations for hay, &c. is of brick, with granite base, with second story of wood, slated and cost, complete, \$38,200.

A Restaurant has been built near the last named house. It is of good dimensions, containing a principal room 60 by 30 feet, with several bay windows opening into it, intended for private parties. A capacious verandah, 20 feet wide, of iron and stone, extends around it. Its total cost will be \$15,000.

A pond for Sea Lions and Seals has been completed near the Lake. Its walls are of brick, laid in cement, coped with flag stone. Its cost has been \$3,900.



The erection of the Northern Entrance Houses, near Girard Avenue, was begun in December last, but work has been suspended during the winter.

The Society is now building a line of Carriage Shelters, which will accommodate 30 vehicles at one time, near the Girard Avenue Entrance.

The building now used for that purpose being unfitted therefor, the directors have adopted a plan for an Aviary, 150 feet long. It will be put under contract as soon as possible.

Of Grading grounds, there were done between Girard Avenue En- trance and Traffic Road . . .	18,603 cubic yards.
Of Grading between Traffic Road and New Restaurant, . . .	3,675 " "
Of Grading between Restaurant and Mantua Sewer, . . .	10,741 " "
Of Grading on 37th street from R. R. to Mantua Sewer, . . .	11,626 " "
Of Grading from Mantua Sewer to 35th street Entrance, . . .	16,785 " "
Total Grading, . . .	<u>61,430</u> " "

Of Vulcanite Walks, there were laid, 4,344 square yards.

Macadam for walks, " " 1,598 perches.

Stone masonry at Horse sheds, around seal pond, circle at Carnivora House, at Island, and Rip Rap at ponds in Ravine, 358 Perches.

Of bricks there were laid in Sewers, Silt Basins, wall around prairie dog pen, &c., 143,900.

8,773 linear feet of wooden, iron and wire fencing have been put up.

2,060 linear feet vitrified drain pipe, 956 feet iron, and 50 feet lead water pipe, have been laid, and 3 fire plugs set.

There have been planted:—

Deciduous Trees,		217
Shrubbery—Various,		286
Vines,		114

Several thousand annual plants, which were set out in the spring, were propagated in the house built for that purpose, which supplies all annuals needed for ornamentation at small cost.



INCOME AND EXPENDITURES.

INCOME.

For the fiscal year ending March 1st, 1876, (exclusive of subscription to Loan, Donations and Life Memberships.)

Members Initiation Fees and Dues, ...	\$ 2,890 00	
Admission Receipts	\$87,984 11	
Tickets sold, not received, ...	4 57	
		87,988 68
Rents, ...		2,421 67
Profit, sale of Guides		304 63
Sundry Receipts, ...		515 05
		\$94,120 03

EXPENDITURES.

(Exclusive of Permanent Improvements and Animals.)

Salaries, ...	\$21,183 19	
Office expenses, ...	1,497 45	
General expenses, ...	23,100 31	
Sundries, acct., Improvements, ...	3,129 66	
		48,910 61
Estimated Loss for the year on Animals, ...	8,497 18	57,407 79
Balance, net profit for year ending March 1st, 1876, ...		\$36,712 24
Deduct, interest on Loan and Time Warrants, less Interest on Bank Balances, ...	\$7,019 11	
Commission	3,478 75	10,497 86
Balance of Income acct., for year ending March 1st, 1876, ...		\$26,214 38

The Board wishing to have as few temporary and general accounts as possible on the books of the Society, has directed the following items to be charged to Profit and Loss acct., for the year ending March 1st, 1876.

Balance, Temporary Barn, acct., ...	\$1,620 30	
" Temporary Pens, acct., ...	197 54	
" Permanent Imp. Sds. acct. (previous to March 1st 1875), ...	4,026 34	
20% depreciation on Houses, sundry animals acct.	1,464 02	
Old Restaurant, (\$4,536 67 has been received as Rent from this Building, and included in Income Statement of past two years), ...	3,030 14	10,338 34
Balance to Credit of Profit and Loss acct., for year ending March 1st, 1876, ...		\$15,876 04

CAPITAL.

Receipts and Investments of Capital for the fiscal year ending March 1st, 1876.

RECEIPTS.

Subscriptions paid on Loan, ...	\$125,286 00
Life Memberships, ...	1,965 00
Donation, ...	785 48
Time Warrants, ...	13,515 10
Temporary Loan, ...	15,000 00
Total, ...	<u>\$156,551 58</u>

EXPENDITURES.

For Permanent Improvements and Animal account,
per items in Treasurer's Statement (Appendix A.) \$167,914 01

Time Warrants (Balance, March 1st, 1875, since paid), . . . 17,901 01
\$185,815 02

Less Amounts Charged to Profit and Loss acct.

Loss on Animals, ... \$8,497 18
 Temporary Barn, ... 1,620 30
 Temporary Pens, ... 197 54
 Old Restaurant, ... 3,030 14
 20% depreciation, Houses, sundry animals, 1,464 02
 Permanent Improvement Sundries, 4,026 34 18,835 52

166,979 50

Balance (being excess of Investments over Receipts
of Capital, which has been provided from
Profit and Loss acct.), ...

10,427 92

\$166,979 50 \$166,979 50



MENAGERIE.

The Society's collection has been steadily increasing, both in the number and value of its specimens. Its value on 1st March, 1876, was appraised at \$50,251.

The number of animals at the close of the fiscal year 1875-6, was 919, showing an increase over the year 1874-5, as will appear by the following table:

	MARCH, 1st.		COMPARISON.
	1875.	1876.	
Quadrupeds.	260	342	Increase, 82
Birds.	411	485	" 74
Reptiles.	36	74	" 38
Fish.	—	18	" 18
	707	919	Increase, 212

The following Animals and Birds were bred in the Garden during the past year:—

- 1 Sambur Deer (*Cervus aristotelis*). ♂
- 11 Dingoes (*Canis dingo*).
- 4 Lions (*Leo africanus*).
- 1 Buffalo (*Bison americanus*).
- 2 Virginia Deer (*Cervus virginianus*).
- 15 Prairie Dogs (*Cynomys ludovicianus*).
- 1 American Elk (*Cervus canadensis*).
- 4 Rufus Rat Kangaroos (*Hypsiprymnus rufescens*).
- 1 Llama (*Lama peruana*).
- 2 Great Kangaroos (*Macropus giganteus*).
- 3 Leopards (*Felis pardus* var. *Javanese*).
- 2 Common Pea Fowls (*Pavo cristatus*).
- 6 White Guineas (*Numida melegris*).

Appendix [C] shows in detail the animals acquired since the last Report, and the manner of their acquisition ; and the Prosector's Report (Appendix B) gives many interesting details of the animals, their health and condition.

Additions to the Library during the past year :

Smithsonian Reports, 1863 to 1874, inclusive.

Smithsonian Catalogue of Foreign Correspondents to 1872.

Smithsonian North American Reptiles, Part 1, Serpents.

Liverpool Literary and Philosophical Society, 1873-74.

Modena Annuario della Soc. dei Naturalista, 1875.

Dresden Kaiserl Leop. Carol, &c., Akad der Natur, Heft 9.

Cincinnati Quarterly Journal of Science, January, 1875.

Minnesota Academy of Natural Sciences, 1874.

Belgium, Société Entomologique de Belgique. Compte Rendu Série II, Nos. 2-19, inclusive.

Tower Menagerie, 1829.

U. S. Geological Survey, Hayden, Vol. II, Cretaceous Vertebrata. E. D. Cope, 1875.

U. S. Geological Survey, Montana, Idaho, Wyoming and Utah, 1872.

U. S. Geological Survey, Montana and adjacent Territory, 1871.

U. S. Geological Survey, Colorado, 1873.

U. S. Geological Survey, Colorado and New Mexico, 1869.

U. S. Geological Survey of the Territories, 1867-68-69.

U. S. Geological Survey, Birds of the North-west. Cones.

U. S. Geological Survey, Extinct vertebrate Fauna. Leidy, 1873.

U. S. Geological Survey, Cretaceous Flora of the Territories. Lesquereux, 1874.

U. S. Geological Survey, Synopsis of the Flora of Colorado, Porter & Coulter, 1874.

Agricultural Reports, various Societies, 54 vols.

The thanks of the Society are due to the Trustees of the Cope Fund for donations of interest, to W. H. Armstrong, Esq., for copy of Tower Menagerie, to Mr. Conklin, of Central Park Menagerie, for frequent judicious advice and assistance, to Messrs. W. P. Clyde & Co., Adams Express Co., and to Pennsylvania and Union Pacific Railroads for many kindnesses in regard to transportation, and to the donors of animals in list "C".

In conclusion the Directors cannot but congratulate the members, and that large and increasing class of the community who believe in the beneficial effects on society of such Institutions, on the very marked success which has attended their efforts.

All of which is submitted by order of the Board.

JOHN SAMUEL,

Secretary, Zoological Society.

APPENDIX A.

TREASURER'S STATEMENT.

March 1st, 1875, to March 1st, 1876.

DR.

To Balance on hand March 1st, 1875, ...		\$ 2,458 44
" Loan Subscriptions paid, ...		125,286 00
" Donation, ...		785 48
" Life Memberships, ...		1,965 00
" Time Warrants (Balance March 1st, 1876), ...		13,515 10
" Temporary Loan, ...		15,000 00
" Members' Initiation fees and annual dues, ...	\$ 2,890 00	
" Admission Receipts, ...	87,984 11	
" Tickets sold but not received	4 57	
	87,988 68	
" Rents at Garden, ...	2,421 67	
" Profit on Sale of Guides, ...	304 63	
" Sundries, ...	515 05	
Transferred to Cr. of Profit and Loss acct.,	94,120 03	94,120 03
		\$253,130 05

CR.

By Warrants paid, for :

Salaries, ...	21,183 19
Subsistence, ...	10,335 49
Advertising, ...	4,007 50
Music, ...	3,521 00
Insurance (to run several years), ...	1,623 79
Fuel, ...	1,277 01
Printing, ...	515 75
Expressage, ...	400 65
Telegraph Line, ...	356 43
Repairs, Jobbing, &c., ...	1,062 69
Office Expenses, ...	1,497 45
Permanent Improvement, Sundries, ...	3,129 66

Maintenance, &c., transferred to Dr. of Profit & Loss acct., 48,910 61

Amount brought forward,	48,910 61
Purchase of Animals,	15,127 19
Aviaries,	223 25
Bear Pits,	41 75
Restaurant (new),	10,244 79
“ (old),	28 30
Monkey House,	298 52
Cages,	1,318 28
Vulcanite Walks,	7,140 53
Fencing,	3,975 28
Aquaria,	60 37
Prairie Dog Village,	571 59
Deer Parks and Enclosures,	2,544 84
Penn Mansion,	58 35
Gate Houses,	144 85
Buffalo Houses,	787 00
Lake,	2,379 71
Walks, Roads and Grading,	29,062 11
Houses for Sundry Animals,	3,950 26
Carnivora House,	36,102 41
Propagating “	470 37
Skating “	224 59
Barn,	3,744 34
Elephant House,	38,181 17
Horticulture,	1,944 67
Seal Pond,	3,923 96
Carriage Sheds,	542 80
Water Supply and Drainage,	4,328 35
Settees, Chairs, &c.,	329 50
Signs,	66 50
Temporary Pens,	98 38

\$167,914 01

Total Permanent Improvements and Animals,	167,914 01
Time Warrants (Balance March 1st 1875, since paid,)	17,901 01
Interest, &c.,	7,019 11
Coms. on Loan,	3,478 75
Balance on hand, cash, March 1st, 1876,	7,906 56

\$253,130 05

NOTE.

The Permanent Improvement Sundries acct., which appeared on Balance Sheet, March 1st, 1875, has been, per resolution of Board of Directors, distributed as follows:—

Walks, Roads, Grading, &c.,	15,051 92
Water Supply, Drainage, &c.,	3,208 62
Sign acct.,	214 03
Settees, Chairs, &c.,	772 50
Photograph Stand,	406 00
Wharf acct.,	600 00
Balance to Profit & Loss acct.,	4,026 34

\$24,279 41

BALANCE SHEET.
ZOOLOGICAL SOCIETY.

Dr.	Cr.
Cash,	\$ 7,906 56
Purchase of Animals,	50,251 00
Aviaries,	10,155 54
Bear Pits,	5,917 19
Monkey House,	8,318 11
Cages,	6,172 49
Vulcanite Walks,	16,878 55
Fences,	7,731 38
Aquaria,	482 57
Deer Parks and Enclosures,	4,337 50
Prairie Dog Village,	937 52
Penn Mansion,	1,382 66
Gate Houses,	2,744 95
Buffalo Houses,	1,572 78
Lake,	10,997 36
Walks, Roads and Grading,	61,652 84
Houses, Sundry Animals,	5,856 08
Carnivora House,	55,422 49
Propagating House,	1,470 37
Skating House,	1,378 41
Barn,	3,744 34
Elephant House,	38,181 17
Horticulture,	4,323 11
Seal Pond,	3,923 96
Carriage Sheds,	542 80
Restaurant,	10,244 79
Old Restaurant,	500 00
Water Supply and Drainage,	7,536 97
Signs,	280 53
Settees, Chairs, etc.,	1,102 00
Photograph Stand,	406 00
Wharf,	600 00
	\$332,952 02
	\$243,511 00
	8,915 00
	8,610 48
	13,515 10
	15,000 00
	43,400 44

Philadelphia, March 1st, 1876.



APPENDIX C.

LIST OF ADDITIONS TO THE SOCIETY'S MENAGERIE DURING THE YEAR ENDING MARCH 1, 1876.

1875.

- Mar. 2. 1 Great Horned Owl (*Bubo Virginianus*). Presented by Mr. J. A Morgan, Frenchtown. N. J.
3. 2 Caribou (*Rangifer tarandus*), ♂ and ♀. Purchased.
6. 2 Guinea Pigs (*Cavia cobaya*). Presented by Mr. H. DeLancey Tomlin, Phila.
7. 1 Raccoon (*Procyon lotor*). Presented by Dr. E. Wallace, Phila.
8. 1 Sambur Deer (*Cervus aristotelis*), ♂. Born in Gardens.
- 2 Snow Buntings (*Plectrophanes nivalis*). Presented by Mr. R. Bingham, Camden, N. J.
13. 1 Indian Rhinoceros (*Rhinoceros unicornis*), ♂. Purchased.
15. 2 Gray Squirrels (*Sciurus cinereus*). Presented by Mr. S. P. Quay, Phila.
16. 3 Dingoes (*Canis dingo*), 2 ♂ and 1 ♀. Born in Gardens.
- 1 Raccoon (*Procyon lotor*). Presented by Master Harry Kugler, Phila.
18. 4 Lion Whelps (*Felis leo*). Born in Gardens.
- 1 Virginian Opossum (*Didelphys virginiana*), ♀. Presented by Mr. Jos. M. Wilson, Washington, D. C.
22. 1 Carolina Parrot (*Conurus carolinensis*), ♀. Presented by Miss Maud E. Chesshire, Phila.
- 1 Raccoon (*Procyon lotor*), ♂. Presented by Capt. W. C. Sanders, Phila.
28. 1 Virginian Opossum (*Didelphys virginiana*), ♂. Presented by Mr. Jos. M. Wilson, Washington, D. C.
30. 1 Raccoon (*Procyon lotor*), ♂. Presented by Master Joseph Woolston, Germantown, Pa.
- 1 Cat (*Felis domestica*). Presented by Mr. Wm. Spooner, Phila.
31. 2 Pairs Prairie Chickens (*Cupidonia cupido*). Presented by Messrs. Pauling & McCalvey, Leroy, Lake Co., Indiana.
- Apr. 1. 2 Common Rabbits, (*Lepus cuniculus*). Presented by Mrs. Bisbing, Phila.
- 1 Raccoon (*Procyon lotor*). Presented by Mr. George T. Pabst, Phila.
2. 2 Common Crows (*Corvus americanus*). Presented by Mr. Saml. J. Sharpless, Street Road Station, W. & P. R. R.

- Apr. 3. 1 Prong Horn Antelope (*Antilocapra americana*), ♀. Purchased.
 1 Common Rabbit (*Lepus cuniculus*). Presented by Mrs. E. Walker, Phila.
6. 1 Prong Horn Antelope (*Antilocapra americana*), ♀. Purchased.
 1 Maltese Cat (*Felis domestica*). Presented by Mr. Casper Heft, Germantown, Pa.
7. 2 American Elk (*Cervus canadensis*), ♂ and ♀. Presented by Hon. Asa Packer, Mauch Chunk, Pa.
9. 1 Loon (*Colymbus torquatus*). Presented by Mr. R. B. Magee, Oil City, Pa.
 1 Pair Grey Foxes (*Vulpus virginianus*), and 1 Raccoon (*Procyon lotor*), ♂. Presented by Mr. C. R. Caldwell, Phila.
10. 1 Brant (*Bernicla brenta*), ♂. Presented by Mr. George DeHaven, Jr., Phila.
 1 Soft Shelled Turtle (*Trionyx ferox*). Presented by Miss Turnbull, Phila.
 1 Virginia Deer (*Cervus virginianus*), ♂. Presented by Misses Clark, Phila.
11. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. Henry C. Terry, Phila.
12. 1 Grey Fox (*Vulpus virginianus*), ♂, 2 Red-tailed Hawks (*Buteo borealis*). Presented by Mr. George Winter, Phila.
14. 1 Ferret (*Mustela furo*). Presented by Messrs S. & J. M. Flanagan, Phila.
 1 Red-tailed Hawk (*Buteo borealis*). From Phoenixville, Pa.
15. 1 Raccoon (*Procyon lotor*), ♀. Presented by Mr. Daniel Reid, Phila.
 1 Fox Squirrel (*Sciurus cinereus*). Purchased.
 1 Florida pouched Rat (*Geomys pinetis*). Purchased.
 2 Leather Back Turtles (*Platypeltis ferox*). Purchased.
 1 Cat Squirrel (*Sciurus carolinensis*). Purchased.
 1 Grey Rabbit (*Lepus sylvaticus*). Purchased.
 2 Young Alligators (*Alligator mississippiensis*). Presented by Miss Rebecca W. Tutt, Phila.
17. 1 Young Alligator (*A. mississippiensis*). Presented by Mr. J. T. Street, Beverly, N. J.
 1 Red Tailed Hawk (*Buteo borealis*). Presented by Mr. D. A. Yoder, Reading, Pa.
 1 Virginian Opossum (*Didelphys virginiana*). Presented Genl. J. M. Wilson, Washington D. C.
20. 1 Great Horned Owl (*Bubo virginianus*). Presented by Mr. William Lewin, Phila.
 1 Screech Owl (*Scops asio*). Presented by Master Edward Hacker, Germantown.
21. 19 Gopher Tortoises (*Xerobates carolinus*). Purchased.
 8 Yellow Terrapins (*Ptychemmys concinna*). "
 1 Leather-back Turtle (*Platypeltis ferox*). "
 20 Scaly Lizards (*Sceloporus undulatus*). "
 2 Chameleons (*Anolius carolinensis*). "
 2 Diamond Rattlesnakes (*Crotalus adamanteus*). "
 1 Ground Rattlesnake (*Crotalophorus miliarius*). "
 1 Moccasin (*Ancistrodon piscivorus*). "
 2 Harlequin Snakes (*Elaps fulvius*). "
 1 Garter Snake (*Eutainia sirtalis*). "
 1 Water Moccasin (*Tropidonotus fasciatus*). "

- Apr. 21. 1 Water Moccasin (*T. erythrogaster*). Purchased.
 3 Spreading Adders (*Heterodon platyrinos*). "
 2 Spreading Adders (*H. atmodes*). "
 1 Red Chicken Snake (*Coluber guttatus*). "
 2 Bead Snakes (*Ophibolus coccineus*). "
 5 Black Snakes (*Bascanion constrictor*). "
 1 Black Fox Squirrel (*Sciurus vulpinus*). "
 22. 1 Marimonda Spider Monkey (*Ateles belzebuth*). "
 2 Brown Capuchins (*Cebus fatuellus*). "
 1 Macaque Monkey (*Macacus cynomolgus*). "
 1 Red and Yellow Macaw (*Ara chloroptera*). "
 1 White Fronted Amazon (*Chrysotis leucocephala*). Purchased.
 23. 2 Great Horned Owls (young), (*Bubo virginianus*). Presented by
 Mr. Hartley, Phila.
 1 Killdeer (*Aegialitis vociferous*). Presented by Mr. George C.
 Thayer, Louella, Del. Co., Pa.
 24. 1 Pigeon Hawk (*Hypotriorchis columbarius*). Presented by Mr.
 Thomas Knight, Westville, N. J.
 1 Small Alligator (*Alligator mississippiensis*). Presented by Mr.
 John F. Foulke, Phila.
 1 White-fronted Capuchin Monkey (*Cebus albifrons*). Presented
 by Mr. John Stroup, Phila.
 2 Caribou (*Rangifer tarandus*), ♂ and ♀. Purchased.
 26. 2 Woodchucks (*Arctomys monax*). Presented by Mr. S. P. Quay,
 Phila.
 27. 1 Speckled Tortoise (*Emys guttata*). Presented by Dr. F. A.
 Hassler, Phila.
 28. 1 Large Alligator (*Alligator mississippiensis*). Purchased.
 1 King Snake (*Ophibolus getulus*). "
 1 Calico Snake (*Abastor erythrogrammus*). "
 1 Spreading Adder (*Heterodon atmodes*). "
 1 Chicken Snake (*Coluber guttatus*). "
 1 Ground Rattlesnake (*Crotalophorus miliarius*). "
 1 Pine Snake (*Pityophis melanoleucus*). "
 30. 1 Red Tailed Hawk (*Buteo borealis*). Presented Mr. E. D. Hall,
 Phila.
 3 Chameleons (*Anoliis carolinensis*).
 May 3. 1 Red Fox (*Vulpes fulvus*), ♂. Presented by Mr. D. S. Brum-
 baugh, New Enterprise, Bedford Co., Pa.
 2 Catbirds (*Mimus carolinensis*), 1 Brown Thrush (*Harporhynchus*
rufus), 1 Chewink (*Pipilo erythrophthalmus*), ♂. Presented
 by Mr. John Pearsall, Phila.
 5. 2 Brown Thrushes (*H. rufus*), 2 Wood Thrushes (*Turdus muste-*
linus), 1 Wilson's Thrush (*T. fuscescens*), 1 Catbird (*Mimus*
carolinensis), 1 White-throated Sparrow (*Zonotrichia albi-*
collis). Presented by Mr. John Pearsall, Phila.
 1 Jay (*Garrulus glandarius*). Presented by Master W. S. Ellis,
 Phila.
 6. 1 Young Great Horned Owl (*Bubo virginianus*). Presented by
 Mr. Lucas Hirst, Phila.
 7. 1 Woodchuck (*Arctomys monax*). Presented by Mr. John W.
 Parnmore, Oak Hill, Lancaster Co., Pa.
 6 Llamas (*Lama peruana*), 3 ♂ and 3 ♀, 1 Huanaco (*L. huana-*
cos), ♂, 2 Vicunas (*L. vicugna*), 2 ♂, 2 Pigs, ♂ and ♀, 1
 Condor (*Sarcorhamphus gryphus*). Purchased.
 8. 1 Raccoon (*Procyon lotor*). Presented by Master Daniel Kerst,
 Phila.

- May 9. 7 Catbirds (*Mimus carolinensis*), 1 Brown Thrush (*Harporhynchus rufus*), 1 Chewink (*Pipilo erythrophthalmus*), ♀, 1 Yellow Warbler (*Dendroeca aestiva*), 1 Rusty Blackbird (*Scolecophagus ferrugineus*). Presented by Mr. L. Schneider, Phila.
- 1 Yellow-throated Warbler (*Dendroeca superciliosa*), 1 Yellow Rump Warbler (*D. coronata*), 1 Savannah Sparrow (*Passerculus savanna*), 1 Song Sparrow (*Melospiza melodia*), 1 Golden crowned Sparrow (*Zonotrichia coronata*), 1 White-throated Sparrow (*Z. albicollis*). Presented by Mr. John Pearsall, Phila.
10. 1 American Scoter (*Oidemia americana*). Presented by Mr. W. C. Cantwell, Phila.
- 3 White Mice (*Mus*). Presented by Master C. R. Arnold, Phila.
- 2 Red-crested Cardinals (*Paroaria cucullata*). Presented by Mr. Chas. Sinnickson, Phila.
11. 1 Menopoma (*M. alleghaniense*). Presented by Mr. R. L. Walker, Mansfield, Allegheny Co., Pa.
- 2 Rabbits (*Lepus cuniculus*). Presented by Mr. Wm. H. Aspen-Phila.
- 1 Water Moccasin (*Tropidonotus fasciatus*). Captured in the Gardens.
- 2 Brown Capuchins (*Cebus fatuellus*), 1 Crested Currassow (*Craz alector*), 1 Red and Yellow Macaw (*Ara chloroptera*), 1 Red and Blue Macaw (*Ara macao*). Purchased.
12. 1 Water Moccasin (*Tropidonotus fasciatus*). Captured in the Gardens.
13. 1 Virginian Opossum and 4 Young (*Didelphys virginiana*). Presented by Mr. Jas M. Budd, Cecilton, Cecil Co., Md.
- 1 Virginian Opossum (*D. virginiana*), 1 Black Snake (*Basca-nion constrictor*), 1 King Snake (*Ophibolus getulus*), 2 Copper-belly Snakes (*Nerodia erythrogaster*), 1 Water Snake (*N. taxispilota*), 3 Spreading adders (*Heterodon simus*), 1 Turtle (*Cinosternum Pennsylvanicum*), 1 Mud Tortoise, (*Cistuda carolina*). Presented by Mr. J. W. Milner, U. S. Fishery Asst. Com., Washington, D. C.
14. 1 Speckled Tortoise (*Emys guttata*). Presented by Master Albert H. Quick, Phila.
- 1 Virginian Opossum (*Didelphys virginiana*), ♂. Presented by Mr. F. Hinke, Phila.
15. 1 Menopoma (*M. alleghaniense*). Presented by R. L. Walker, Mansfield, Allegheny Co., Pa.
- 1 Night Heron (*Nyctiardea gardeni*), 1 Swamp Sparrow (*Melospiza palustris*). Presented by Mr. John Pearsall, Phila.
16. 1 Virginian Opossum and young (*Didelphys virginiana*), 1 Yellow-shafted Flicker (*Colaptes auratus*). Presented by Mr. Geo. N. Peacock, Haddonfield, N. J.
- 2 Indigo Birds (*Cyanospiza cyanea*), 1 Wood Thrush (*Turdus mustelinus*), 1 Yellow Warbler (*Dendroeca aestiva*), 1 Water Snake. (*Nerodia taxispilota*). Presented by Mr. Louis Snyder, Phila.
17. 4 Young Alligators (*Alligator mississippiensis*). Presented by Mr. Henry McK. Ingersoll, Phila.
- 1 Young Alligator (*A. mississippiensis*). Presented by Mr. W. S. Foulke, Phila.
18. 1 Red Fox (*Vulpes fulvus*). Presented by Mr. J. G. Neuber, Phila.
- May 18. 1 Red-winged Blackbird (*Agelaius phoeniceus*), ♀. Presented by Mr. Henry Harvey, Phila.

- May 18. 3 Catbirds (*Mimus carolinensis*), 1 Golden-crowned Sparrow (*Zonotrichia coronata*). Presented by Mr. John Pearsall, Phila.
19. 22 Horned Toads (*Phrynosoma cornuta*). Presented by Mr. Charles Noble, Phila.
20. 2 Young Red Foxes (*Vulpes fulvus*). Presented by Mr. Josiah Sibley, Van Wert, Ohio.
23. 1 Buffalo (*Bos americanus*). Born in the Gardens.
1 Mottled Owl (*Scops asio*). Presented by Mr. Fred. Jacobs, Phila.
25. 1 Spreading Adder (*Heterodon atmodens*), 1 Black Snake (*Bascanion constrictor*), and 5 Scaly Lizards (*Sceloporus undulatus*). Presented by the Smithsonian Institution, Washington, D. C.
27. 1 Hairless Dog. Presented by an unknown gentleman.
28. 2 Virginian Deer (*Cervus virginianus*). Born in the Gardens.
1 Hedge Sparrow (*Accentor modularius*). Presented by Mr. P. T. Harpel, Phila.
1 Young Bald Eagle (*Haliaetus leucocephalus*). Presented by the Smithsonian Institution, Washington, D. C.
1 Screech Owl (*Scops asio*). Presented by Jacob Lumley, Phila.
28. 1 Spreading Adder (*Heterodon atmodens*), 1 Whip Snake (*Masticophis flagelliformis*). Presented by the Smithsonian Institution, Washington, D. C.
29. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. H. C. Young, Phila.
1 Moose (*Alces machlis*), ♂, 1 Beaver (*Castor canadensis*). Purchased.
9 White Mice (*Mus musculus*). Presented by Mr. L. Mytinger, Phila.
30. 1 Yellow-breasted Chat (*Icteria viridis*). Presented by Mr. L. Snyder, Phila.
- June 1. 2 Great Horned Owls (*Bubo virginianus*). Presented by Mr. T. C. Hopper, Phila.
4 Cuban Pigeons (*Columba inornata*). Presented by E. F. Cabada, Phila.
4 Weeper Capuchins (*Cebus capucinus*), 3 Brown Capuchins (*Cebus fatuellus*), 1 Squirrel Monkey (*Saimaris sciurea*), 1 Green monkey (*Cercopithecus callitrichus*), 1 Young Spotted Cavy (*Coelogenys paca*), 1 Capybara (*Hydrochoerus capybara*), ♀, 2 Red and Yellow Macaws (*Ara chloroptera*), 2 Blue and Yellow Macaws (*Ara ararauna*), 1 Toco Toucan (*Rhamphastus toco*), 3 Cocks-of-the-Rock (*Rupicola crocea*), 5 Mexican Guans (*Penelope purpurascens* (?)), 2 Martinique Waterhens (*Porphyrio martinicus*), 1 Crested Curassow (*Crax alector*). Purchased.
2. 13 White Mice (*Mus musculus*). Presented by Mr. Edward Down, Phila.
11 White Mice (*M. musculus*). Presented by Master E. Mathews, Phila.
1 Young Alligator (*Alligator mississippiensis*). Presented by Master T. C. Moore, Phila.
1 Young Alligator (*Alligator mississippiensis*). Presented by Master E. C. Knight, Jr., Phila.
3. 1 Loon (*Colymbus torquatus*). Presented by Messrs Oldfield and Simpson, Phila.
4. 1 Screech Owl (*Scops asio*). Presented by Mrs. Lyle, Phila.
2 Hybrid Pheasants (between *Thaumalea picta* and ———). Presented by Mr. David Mott, Phila.

- June 4. 1 Common Peafowl (*Pavo cristatus*), ♂. Presented by Miss Sue Hitner, Marble Hall, Montgomery Co., Pa.
 4 Young Screech Owls (*Scops asio*). Presented by Mr. Robert P. Sharpless, Doylestown, Pa.
 1 Ruby-throated Humming Bird (*Trochilus colubris*). Presented by Mr. Albin Ebert, Kirkwood, N. J.
 5. 1 Golden-shafted Flicker (*Colaptes auratus*), 3 Box Tortoises (*Cistuda carolina*), 3 Speckled Tortoises (*Emys guttata*). Presented by Mr. George N. Peacock, Haddonfield, N. J.
 6. 1 Raccoon (*Procyon lotor*). Presented by Mr. Wm. P. Stott, Frankford, Phila.
 7. 1 Mocking Bird (*Mimus polyglottus*), ♀. Presented by Mr. Paul Johnson, Phila.
 1 Screech Owl and young (*Scops asio*). Presented by Mr. Geo. C. Thayer, Louella, Delaware Co., Pa.
 8. 1 Water Snake (*Nerodia fasciata*). Presented by Mr. Henry Z. Wolff, Phila.
 9. 1 Red Fox (*Vulpes fulvus*). Presented by Master C. Hilliard, Phila.
 10. 3 Prairie Dogs (*Cynomys ludovicianus*). Born in the Gardens.
 2 Red-bellied Terrapins (*Emys rubriventris*), 1 Box Tortoise (*Cistuda carolina*), 1 Black Snake (*Bascanion constrictor*), 1 Green Snake (*Chlorosoma vernalis*). Presented by the Smithsonian Institution, Washington, D. C.
 3 Black Swans (*Cygnus atratus*). Received in exchange.
 11. 1 Garter Snake (*Eutainia sirtalis*). Presented by Master H. H. Smith, Phila.
 1 Speckled Tortoise (*Emys guttata*). Presented by Capt. W. F. Cline, Phila.
 12. 1 Red-bellied Wallaby (*Halmaturus billardieri*). Presented by Lieutenant J. M. Forsyth, U. S. N.
 1 Belted Kingfisher and 5 Young (*Ceryle alcyon*).
 1 Red-winged Blackbird (*Agelaius phoeniceus*).
 1 Reed Bird (*Dolychonyx oryzivorus*). Presented by Mr. L. Snyder, Phila.
 1 Common Peafowl (*Pavo cristatus*), ♂. Presented by Mrs. Charles Bæder, Jenkintown, Pa.
 14. 1 Spreading Adder (*Heterodon atmodens*). Presented by Mr. John Pearsall, Phila.
 1 Striped Gopher (*Spermophilus tridecem-lineatus*). Presented by Mr. A. J. Lamborn, Phila.
 2 Guinea Pigs (*Cavia cobaya*). Presented by Master Edward Hacker, Germantown, Pa.
 1 Chequered Tortoise (*Emys picta*), 1 Garter Snake (*Eutainia sirtalis*). Presented by the Smithsonian Institution.
 2 Gray Squirrels (*Sciurus carolinensis*). Presented by Mr. Aug. H. Witman, Minersville, Pa.
 15. 2 Horned Toads (*Phrynosoma cornuta*). Presented by Mr. S. W. Pennypacker, Phila.
 1 Case Plants. Presented by Mr. John Pearsall, Phila.
 17. 1 Sparrow Hawk (*Tinnunculus sparverius*). Presented by Mr. Oscar R. Meyers, Phila.
 4 Ruddy Flamingoes (*Phaenicopterus ruber*). Presented by Capt. W. S. Munday, Phila.
 3 Soft Shelled Tortoises (*Trionyx muticus*).

- June 17. 1 Speckled Tortoise (*Emys guttata*), 1 Chequered Tortoise (*Emys picta*), 5 Yellow-bellied Terrapin (*Emys serrata*), 2 Young Cooters (*Chelonura serpentina*). Presented by the Smithsonian Institution, Washington, D. C.
16. 1 Bluebird (*Sialia sialis*), 1 Black-capped Titmouse (*Parus atricapillus*). 1 Grey Wagtail (*Motacilla sulphurea*), 1 Hedge Sparrow (*Accentor modularius*). Presented by Mr. P. F. Harpel, Phila.
18. 1 Horned Toad (*Phrynosoma cornuta*). Presented by Master Wm. Connell, Roxborough, Pa.
- 1 Snapping Turtle (*Chelonura serpentina*). Presented by Mr. A. Harris, Salem, N. J.
19. 1 Squirrel Monkey (*Saimaris sciurea*). Presented by Mr. W. L. Welsh, Phila.
21. 1 Woodchuck (*Arctomys monax*). Presented by Mr. Eli Taylor, Camden, N. J.
22. 1 Wild Cat (*Lynx rufus*). Presented by Major C. H. Boyd, New Orleans, La.
- 1 Red Fox (*Vulpes fulvus*). Presented by Mr. J. Reiley, Tyronne, Pa.
24. 1 Red-tailed Hawk (*Buteo borealis*). Presented by Mr. C. D. Wood, Phila.
25. 1 Black Cormorant (*Graculus carbo*). Presented by Mr. E. C. Stead, Atlantic City, N. J.
26. 1 American Elk (*Cervus canadensis*). Born in the Gardens.
- 1 Ring Dove (*Turtur risorius*). Presented by Master M. Boorhis, Phila.
- 5 White Mice (*Mus musculus*). Presented by Master W. Spiese, Phila.
- 2 Sulphur-crested Cockatoos (*Cacatua galerita*). Purchased.
- 1 Common Wombat (*Phascolomys wombat*). “
- 1 Bennett's Wallaby (*Halmaturus bennetti*). Purchased.
- 1 Raccoon (*Procyon lotor*). Presented by Mr. John Gaff, Germantown, Pa.
27. 1 English Sky Lark (*Alauda arvensis*). Presented by Mr. W. Jackson, Phila.
- 1 Great Horned Owl (*Bubo virginianus*). Presented by Mr. John Krider, Phila.
- 4 Prairie Dogs (*Cynomys ludovicianus*). Born in the Gardens.
- 1 Woodchuck (*Arctomys monax*). Presented by Mr. J. H. Roath, Camden, N. J.
28. 1 Red Fox (*Vulpes fulvus*), 1 Raccoon (*Procyon lotor*). Presented by Mr. J. McIntyre, Phila.
- 2 Golden Eagles (*Aquila canadensis*). Presented by General Gibbon, U. S. A.
- 1 Red Fox (*Vulpes fulvus*). Presented by Mr. W. F. Warthman, Phila.
- 1 Meadow Lark (*Sturnella magna*). Presented by Mr. C. B. Stout, Phila.
29. 2 Black Vultures (*Cathartes atratus*). Presented by Mayor Cunningham, Charleston, S. C.
30. 2 Screech Owls (*Scops asio*). Presented by Master John Rowland, Phila.
- July 1. 1 Chipmunk (*Tamias striatus*). Presented by Mr. William S. Filbert, Newmanstown, Berks Co., Pa.
- 1 Sparrow Hawk (*Tinnunculus sparverius*). Presented by Mr. William Beadle, Genl. Wayne, Montgomery Co., Pa.

- July 2. 2 Guinea Pigs (*Cavia cobaya*). Presented by Master Richard Y. Filbert, Phila.
- 2 American Crows (*Corvus americanus*). Presented by Mr. W. L. Eustis, Phillipsburg, N. J.
3. 4 Speckled Tortoises (*Emys guttata*), 20 Muhlenberghs Terrapins (*Emys muhlenbergii*), 21 Box Tortoises (*Cistuda carolina*). Presented by Mr. G. N. Peacock, Haddonfield, N. J.
3. 1 Screech Owl (*Scops asio*). Presented by Miss Willie Rittenhouse, Germantown, Pa.
- 1 White Woodchuck (*Arctomys monax*). Presented by Mr. Jos. S. Patterson, Rutland, Vt.
- 1 Woodchuck (*Arctomys monax*). Presented by Mr. Chas. Marrotte, Phila.
6. 2 Rabbits (*Lepus cuniculus*). Presented by Master Harvey Meyers, Phila.
- 1 Rabbit (*Lepus cuniculus*). Presented by Master C. R. Arnold, Phila.
7. 1 Screech Owl (*Scops asio*). Presented by Master A. Black, Phila.
- 6 Common Boas (*Boa constrictor*), 5 Yellow Fronted Amazons (*Chrysotis ochrocephala*). Purchased.
8. 1 Golden Eagle (*Aquila canadensis*). Presented by Mr. A. M. Smith, Phila.
- 1 Naked-necked Iguana (*Iguana delicatissima*). Presented by Mr. Daniel Bishop, Phila.
- 2 Bitterns (*Botaurus lentiginosus*). Presented by Mr. W. H. Zern, Atlantic City, N. J.
9. 1 Kusimanse (*Crossarchus obscurus*). Presented by Mr. J. O. N. Stockham, Phila.
- 1 White-tailed Deer (*Cervus leucurus*), ♀. Purchased.
10. 1 Bald Eagle (*Haliaeetus leucocephalus*). Presented by Mr. H. C. Pease, Phila.
- 1 Great Horned Owl (*Bubo virginianus*). Presented by Mr. J. S. Sides, Phila.
11. 2 Red-tailed Hawks (*Buteo borealis*), 15 Bull Frogs (*Rana pipiens*). Presented by Mr. John H. Dusenbery, Phila.
11. 1 Young Alligator (*Alligator mississippiensis*). Presented by Dr. A. J. Stratton, Phila.
14. 1 Fournier's Capromys and 3 young (*Capromys pilorides*). Presented by Mr. E. F. Cabada, Phila.
15. 1 Tasmanian Devil (*Dasyurus ursinus*), ♂. Purchased.
- 2 Golden Eagles (*Aquila canadensis*), 1 Red Fox (*Vulpes fulvus*) 1 Garter Snake (*Eutainia sirtalis*), 1 King Snake (*Ophibolus getulus*), 1 Box Tortoise (*Cistuda carolina*). Presented by the Smithsonian Institution, Washington, D. C.
- 1 Maltese Rabbit (*Lepus cuniculus*). Presented by Mr. J. F. Parke, Radnor, Del. Co., Pa.
16. 1 Great Horned Owl (*Bubo virginianus*). Presented by the members of Engine No. 2, P. F. D., Phila.
17. 1 Burchell's Zebra (*Equus burchelli*), ♂, 2 Brazilian Tapirs (*Tapirus terrestris*), 2 Ethiopian Wart Hog (*Phacocerus aethiopicus*), 3 Crested Porcupines (*Hystrix cristata*) 1 Common Seal (*Phoca vitulina*), 2 Young Mandrills (*Cynocephalus mormon*), 1 Sooty Mangabey (*Cercocebus fuliginosus*), 1 Lesser White-nosed Monkey (*Cercopithecus petaurista*), 2 Alligators (*Alligator mississippiensis*), 2 Ostriches (*Struthio camelus*), ♀,

- July 17. 2 Long-tailed Weaver Birds (*Chera progne*), 1 Wood Ibis (*Tantalus loculator*). Purchased.
18. 4 Red-winged Blackbirds (*Agelæus phoeniceus*). Presented by Mr. William Harris, Phila.
19. 2 Rufous Rat Kangaroos (*Hypsiprymnus rufescens*). Born in the Gardens.
- 1 Common Rattlesnake (*Crotalus durissus*). Presented by Mr. Chas. Heverly, Tyrone, Pa.
21. 2 Woodchucks (*Arctomys monax*). Presented by Mr. John Runk, London Grove, Pa.
22. 4 Northern Sea Lions (*Eumetopias stelleri*). Purchased.
- 6 Bull Frogs (*Rana pipiens*). Presented by Mr. John H. Dusenbury, Phila.
24. 1 Moose (*Alces machlis*), ♀. Purchased.
- 1 Bald Eagle (*Haliaeetus leucocephalus*). Presented by Mr. H. R. Caslon, Halifax, Dauphin Co., Pa.
26. 1 Rabbit (*Lepus cuniculus*). Presented by Mr. Walter Franklin, Phila.
- 1 Loon (*Colymbus torquatus*). Presented by Mr. T. H. Bean, Wood's Hole, Mass.
28. 1 Meadow Lark (*Sturnella magna*). Presented by Mr. John F. Isgard, Clayton, N. J.
29. 1 Brazilian Tree-Porcupine (*Cercolabes prehensilis*). Presented by Dr. W. H. Jones, U. S. Ship, Portsmouth, San Francisco, California.
31. 2 Golden Eagles (*Aquila canadensis*). Presented by Mr. J. W. Causey, Milford, Delaware.
- Aug. 2. 2 Pekin Ducks. Presented by Mr. Thos. F. McGrath, Phila.
3. 2 English Sky Larks (*Alauda arvensis*). Presented by Mr. John Pfaff, Phila.
4. 1 Raccoon (*Procyon lotor*). Presented by Mr. A. Newman, Phila.
5. 2 Manatees (*Manatus americanus*). Purchased.
7. 2 Ring Doves (*Turtur risorius*). Presented by Mr. John B. Wattson, Phila.
- 1 Box Tortoise (*Cistuda carolina*). Presented by Mr. C. R. Wilson, Phila.
8. 1 Loon (*Colymbus torquatus*). Presented by Mr. T. H. Bean, Wood's Hole, Mass.
- 1 Red-bellied Terrapin (*Emys rubriventris*). Presented by Mr. John H. Dusenbury, Phila.
10. 1 Wood Thrush (*Turdus mustelinus*). Presented by Mr. John Pearsall, Phila.
- 1 Water Snake (*Nerodia fasciata*). Presented by W. Z. A.
- 1 Garter Snake (*Eutainia sirtalis*). Captured in the Gardens.
11. 6 Greey's Guans (*Penelope greeyi*), 5 White-faced Tree Ducks (*Dendrocygna viduata*), 2 Crested Curassows (*Crax alector*), 2 Little Tinamous (*Tinamus pileatus*), 2 Rufous Tinamous (*Rhynchotus rufescens*), 3 Red-winged Parrakeets (*Aprosmictus erythropterus*), 2 Black-headed Conure (*Conurus nan-day* (?)), 1 Yellow-cheeked Conure (*Conurus chrysogenys* (?)). Purchased.
- 1 Toco Toucan (*Ramphastos toco*), 2 Cuvier's Toucans (*Ramphastos cuvieri*), 1 Brazilian Tree-Porcupine (*Cercolabes prehensilis*), 3 Golden Agoutis (*Dasyprocta aguti*), 1 White-lipped Peccary (*Dicotyles labiatus*). Purchased.
13. 1 Gray Rabbit (*Lepus sylvaticus*). Presented by Mr. E. Chamberlain, Trenton, N. J.

- Aug. 15. 2 Barn Swallows (*Hirundo horreorum*). Presented by Mr. S. N. Still, Malvern, Pa.
16. 3 Woodchucks (*Arctomys monax*). Presented by Mr. Richard Mercer, Chester Co., Pa.
- 4 Song Sparrows (*Melospiza melodia*), and 1 Indigo Bird (*Cyanospizacyanea*). Presented by Mr. John Pearsall, Phila.
17. 1 Rattlesnake (*Crotalus durissus*). Presented by Mr. E. C. Pechin, Dunbar, Pa.
18. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. Otto Schaum, Phila.
- 1 Red-tailed Hawk (*Buteo borealis*). Presented by Mr. John Pearsall, Phila.
18. 1 Little Brown Bat (*Vespertilio subulatus*). Presented by Mr. C. K. Robinson, Phila.
- 1 Sparrow Hawk (*Tinnunculus sparverius*). Presented by Mr. Thos. Brookensha, Phila.
19. 1 Water Snake (*Nerodia fasciata*). Presented by Mr. Wm. Allmond, Phila.
20. 1 Gray Fox (*Vulpus virginianus*). Presented by Mr. W. H. Sterling, Phila.
- 1 Blue Heron (*Florida cærulea*). Purchased.
- 1 Yellow-billed Cuckoo (*Coccygus americanus*), 1 Indigo Bird (*Cyanospiza cyanea*), 3 Swamp Sparrows (*Melospiza palustris*). Presented by Mr. John Pearsall, Phila.
24. 1 Fulmar Petrel (*Procellaria glacialis*). Presented by Mrs. M. Collins, Phila.
- 1 Blanding's Terrapin (*Emys blandingii*). Presented by Messrs. Prittie & Beef, Detroit, Mich.
- 1 Horned Toad (*Phrynosoma cornuta*). Presented by Mr. Jos. M. Cardeza, Phila.
- 1 House Snake (*Ophibolus eximius*). Presented by Messrs Windle & Doan, Coatesville, Pa.
25. 1 Belted Kingfisher (*Ceryle alcyon*). Presented.
26. 2 Beavers (*Castor canadensis*), 2 Ground Rattlesnakes (*Crotalophorus miliarius*), 2 Jack Rabbits (*Lepus callotis*). Purchased.
- 1 Gray Squirrel (*Sciurus carolinensis*). Presented by Master H. Dungan, Phila.
27. 1 Box Tortoise (*Cistuda carolina*). Presented by Mr. Dr. F. H. Hassler, Phila.
- 2 Polish Ducks (*Var. domestica*). Presented by Mr. Jos. M. Cardeza, Phila.
31. 2 Pairs Cow Blackbirds (*Molothrus pecoris*). Presented by Mr. Theo. L. Harrison, Phila.
- 1 Little White Egret (*Ardea candidissima*). Presented by Miss Kate Oldwire, Elizabethtown, Pa.
- Sept. 1. 1 Spreading Adder (*Heterodon atmodos*). Presented by Mr. John Pearsall, Phila.
- 8 White-headed Geese (*Anser cærulescens*), 1 Brant (*Bernicla brenta*). Purchased.
- 1 Banded Rattlesnake (*Crotalus durissus*). Presented by Mr. J. E. Bell, Bell's Mills, Pa.
3. 3 Dusky Ducks (*Anas obscura*). Presented by Mr. C. S. Westcott, Phila.
- 1 Young Alligator (*Alligator mississippiensis*). Presented by Master J. Hugill, Jr., Camden, N. J.
- 1 Virginian Deer (*Cervus virginianus*). Presented by Mr. W. W. Justice.

- Sept. 4. 1 Green Heron (*Butorides virescens*). Presented by Mr. Chas. Lendemmayer, Phila.
6. 1 Screech Owl (*Scops asio*). Presented by Mr. Edward Foster, Schuylkill Falls, Pa.
- 1 Pea-fowl (*Pavo cristatus*), ♀. Presented by Dr. Frank Woodbury, Phila.
7. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. S. F. Kline, Savannah, Ga.
- 1 Horned Toad (*Phrynosoma cornuta*). Presented by Master George Fullerton, Phila.
- 1 Woodchuck (*Arctomys monax*). Presented by Mr. Edward Tushy, Phila.
8. 1 Black Bear (*Ursus americanus*). Presented by Mr. R. D. Cummings, Phila.
- 2 Red Foxes (*Vulpes fulvus*). Presented by Mr. Richard Buske, Phila.
9. 1 Common Rail (*Porzana carolina*). Presented by Mr. James H. Crossthwaite, Phila.
10. 1 Flying Squirrel (*Pteromys volucella*). Presented by Mr. G. R. Still, Malvern, Chester Co., Pa.
- 1 Gray Squirrel (*Sciurus carolinensis*). Presented by Mrs. Comegys, Phila.
- 1 Common Linnet (*Linota cannabina*). Presented by Mr. Chas. H. Taylor, Phila.
11. 1 Golden Eagle (*Aquila canadensis*). Presented by Mr. Harry Pearson, Phila.
- 2 Virginia Deer (*Cervus virginianus*), ♀ and ♂. Presented by Mr. W. Null, Genl. Wayne, Montgomery Co., Pa.
12. 1 Salt-water Terrapin (*Emys terrapin*). Presented by Mr. John Pearsall, Phila.
13. 1 Bittern (*Botaurus lentiginosus*). Presented by Master D. G. Merritt, Phila.
- 1 Woodchuck (*Arctomys monax*). Presented by Mr. John Foley, Haddington, Pa.
- 3 Black Ducks (*Anas obscura*). Presented by Mr. Redman Abbott, Phila.
- 1 Cardinal Grosbeak (*Cardinalis virginianus*), ♀. Presented by Mr. L. Snyder, Phila.
14. 1 Flying Squirrel (*Pteromys volucella*). Presented by Master Casper W. Miller, Howellville, Del. Co., Pa.
16. 1 Savannah Deer (*Cervus savannarum*). Presented by Mr. J. P. Lindsay, Jr. Phila.
- 5 Reed Birds (*Dolichonyx oryzivorus*). Presented by Mr. L. Snyder, Phila.
17. 1 Bald Eagle (*Haliaetus leucocephalus*). Presented by Mr. E. M. Dunn, Washington, D. C.
20. 2 Prong Horn Antelopes (*Antilocapra americana*). Purchased.
- 1 Common Magpie (*Pica caudata*). Presented by Mr. Lloyd Simpson, Phila.
21. 1 Skunk (*Mephitis mephitis*). Presented by Mr. Thomas Berstler, Doe Run, Chester Co., Pa.
- 1 Common Wolf (*Canis lupus*), ♀. Purchased.
25. 1 Bittern (*Botaurus lentiginosus*). Presented by Mr. Joseph Shollar, Whitehaven, Pa.
- 1 Albino Rat (*Mus decumanus*, var). Presented by Mr. D. Y. Denenhower, Phila.

- Sept. 25. 2 Ring Doves (*Columba palumbus*). Presented by Master E. Harmstead, Phila.
27. 2 Cardinal Grosbeaks (*Cardinalis virginianus*). Presented by Miss Helen Haffelfinger, Phila.
28. 2 Sandhill Cranes (*Grus canadensis*), 2 Wood Ducks (*Aix sponsa*). Presented by Mr. E. F. Cabada, Phila.
- 1 Troupial (*Icterus vulturis*). Presented by Miss E. Pearsall Smith, Germantown, Pa.
- 1 Brown Capuchin (*Cebus fatuellus*). Presented by Mr. William Silver, Wilmington, Del.
- 1 Black Bear (*Ursus americanus*), 1 Woodchuck (*Arctomys monax*). Presented by Mr. Joseph M. Wilson, Washington, D. C.
29. 2 Great Horned Owls (*Bubo virginianus*). Presented by Mr. Saml. W. Lane, Chambersburg, Pa.
30. 1 Copperhead Snake (*Agkistrodon contortrix*), 1 Garter Snake (*Eutainia sirtalis*). Presented by Mr. A. C. Crawford, Phila.
- 1 Garter Snake (*Eutainia sirtalis*). Presented by Miss Madgie L. Corlies, Phila.
- Oct. 2. 1 Opossum (*Didelphys virginiana*). Presented by Master A. Lincoln Sholl, Burlington, N. J.
- 1 Gray Fox (*Vulpus virginianus*). Presented by Mr. Newlan Head, Currensville, Pa.
- 1 Pair Caribous (*Tarandus rangifer*). Purchased.
3. 1 Rhesus Monkey (*Macacus erythraeus*), 2 Brown Capuchins (*Cebus fatuellus*), 1 Weeper Capuchin (*Cebus capucinus*), 1 Common Ocelot (*Leopardis pardalis*), 1 Gray Ocelot (*Leopardis griseus*), 1 Capybara (*Hydrochaeris capybara*), 1 White-lipped Peccary (*Dicotyles labiatus*), 6 Crested Curassows (*Craz alector*), 4 Yellow-fronted Amazons (*Chrysotis ochrocephala*), 2 Yellow-shouldered Amazons (*Chrysotis ochroptera* (?)), 1 Blue-fronted Amazon (*Chrysotis amazonica*), 1 Little Tinamou (*Tinamus pileatus*), 6 Greey's Guans (*Penelope greeyi*), 1 Common Trumpeter (*Psophia crepitans*), 4 White-faced Tree Ducks (*Dendrocygna viduata*), 4 Acouchys (*Dasyprocta acouchy*). Purchased.
- 1 Common Rail (*Porzana carolina*). Presented by Mr. George W. Reeves, Phila.
4. 2 Turkey Buzzards (*Cathartes aura*). Presented by Mr. Richard Mercer, West Chester, Pa.
- 1 Rufous Rat-Kangaroo (*Hypsiprymnus rufescens*). Born in the Gardens.
5. 1 Woodchuck (*Arctomys monax*). Presented by Mr. Wm. Bushell, Phila.
6. 1 Falcon (*Falco*——). Presented by Mr. Joseph J. Dekinder, Phila.
7. 1 Woodchuck (*Arctomys monax*). Presented by Mr. Josiah Appell, Norristown, Pa.
- 1 Guinea Pig (*Cavia cobaya*). Presented by Master Albert Wentz, Phila.
- 1 Crow Blackbird (*Quiscalus versicolor*). Presented by Mr. Sam'l N. Still, Malvern, Pa.
- 1 Bald Eagle (*Haliaetus leucocephalus*). Presented by Major A. C. Richards, Washington, D. C.
10. 1 Spider Monkey (*Ateles belzebuth* (?)). Purchased.
12. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. H. C. Glading, Phila.

- Oct. 14. 1 Black Iguana (*Metopoceros cornutus*). Purchased.
 2 Ring Doves (*Columba palumbus*). Presented by Mrs. Mary Sturges, Phila.
 2 Hybrids (between a *Guinea and Turkey*). Presented by Mr. H. C. Williams, Phila.
 2 Pinche Monkeys, (*Midas oedipus*). Presented by Dr. John Agnew, Phila.
 15. 1 Greyhound. (*Canis familiaris*). Presented by Miss Alice M. Whelen, Bryn Mawr, Pa.
 1 Crested Curassow (*Crax alector*). Presented by Capt. A. Campbell, Phila.
 1 Opossum (*Didelphys virginiana*). Presented by Master Clinton Foltz, Phila.
 18. 3 Gray Foxes, (*Vulpus virginiana*). Presented by Mr. John Baird, Phila.
 21. 1 Black Squirrel (*Sciurus carolinensis*). Presented by Master John E. Sulger, Phila.
 1 Red-tailed Hawk (*Buteo borealis*). Presented by "Kind Hands".
 23. 1 Common Boa (*Boa constrictor*). Presented by Mr. E. F. Moelling, Phila.
 1 Young Prong Horn Antelope (*Antilocapra americana*) ♂, 1 Red-tailed Hawk (*Buteo borealis*). Presented by Lieutenant Emmet Crawford, 3d U. S. Cavalry.
 1 Young Prong Horn Antelope (*Antilocapra americana*), ♀. Presented by Capt. Deane Monahan, 3d U. S. Cavalry.
 1 Night Heron (*Nyctiardea gardeni*). Presented by Mr. Wm. H. Brookes, Phila.
 24. 1 Chequered Tortoise (*Emys picta*). Presented by Mr. John Pearsall, Phila.
 25. 1 Golden Eagle (*Aquila canadensis*). Presented by Mr. George W. Bush, Phila.
 27. 1 Great Horned Owl (*Bubo virginianus*). Presented by Mr. M. M. McNiel, Huntingdon, Pa.
 30. 1 Screech Owl (*Scops asio*). Presented by Mr. Benjamin M. Taylor, Phila.
 Nov. 2. 1 Loon (*Colymbus torquatus*). Presented by Mr. E. S. Ashcom, Riddlesberg, Pa.
 3. 1 Black Bear (*Ursus americanus*). Presented by Mr. Hartley Howard, Pittsburg, Pa.
 4. 1 Menopoma (*Menopoma alleghaniensis*). Presented by Mr. Andrew Fredericks, Phila.
 6. 1 Fulmar Petrel (*Procellaria glacialis*). Presented by Mr. W. H. Zern, Atlantic City, N. J.
 2 Common Rheas (*Rhea americana*). Purchased.
 1 Mocking Bird (*Mimus polyglottus*), ♀. Presented by Mrs. S. R. Magarge, Phila.
 7. 1 Teal (*Querquedula*). Presented by Mr. Alexander F. Wiseback, Phila.
 11. 1 Piebald Rat (*Mus ducumanus*, var.). Presented by Mr. John McShea, Phila.
 12. 1 Great Horned Owl (*Bubo virginianus*). Presented by Mr. John J. Smith, Phila.
 13. 2 Ring Doves (*Columba palumbus*). Presented by Mr. R. Wistar Harvey, Phila.
 14. 2 Gray Rabbits (*Lepus sylvaticus*). Presented by Miss Biddle, Phila.

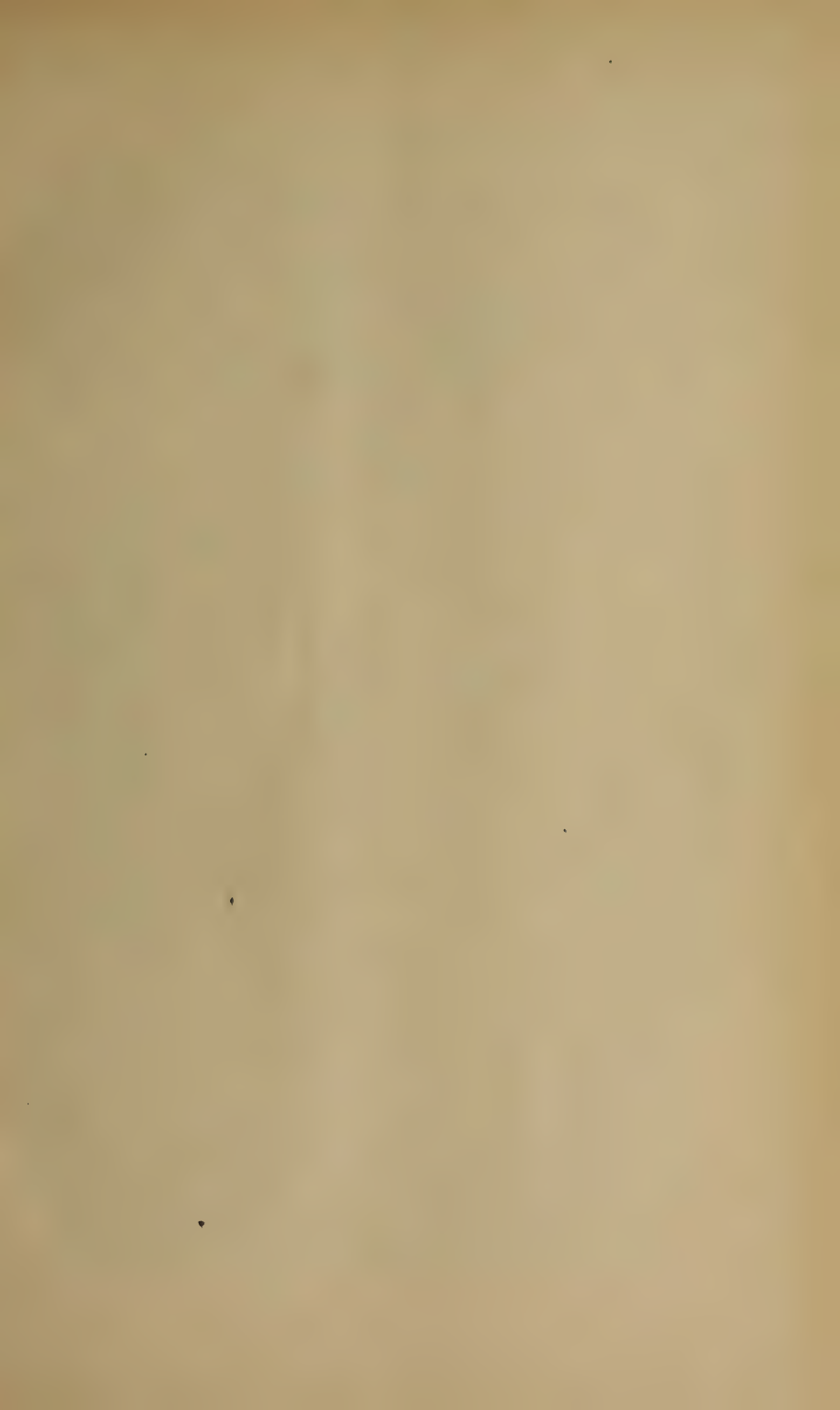
- Nov. 15. 1 White throated Sparrow (*Zonotrichia albicollis*), 4 Fox-colored Sparrows (*Passerella iliaca*). Presented by Mr. John Pearsall, Phila.
16. 1 Opossum (*Didelphys virginiana*), 1 Raccoon (*Procyon lotor*), 2 Gray Rabbits (*Lepus sylvaticus*). Presented by Master Craig R. Arnold, Phila.
18. 1 Wild Turkey (*Meleagris gallopavo*), ♀. Presented by the Duncannon Iron Co., Duncannon, Pa.
19. 1 Jaguar (*Felis onca*), ♀. Purchased.
1 Red-tailed Hawk (*Buteo borealis*). Presented.
20. 1 Gray Rabbit (*Lepus sylvaticus*). Presented by Master A. R. Pittinos, Phila.
22. 1 Lop-eared Rabbit (*Lepus domesticus*). Presented by Mr. E. Starr, Phila.
23. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. John H. May, Phila.
1 Bald Eagle (*Haliaeetus leucocephalus*). Presented by the Smithsonian Institute, Washington, D. C.
24. 1 Sparrow Hawk (*Tinnunculus sparverius*).
25. 1 Screech Owl (*Scops asio*). Presented by Mr. Nathan Levering, Phila.
27. 2 Beavers (*Castor canadensis*). Purchased.
29. 2 Raccoons (*Procyon lotor*). Presented by Mr. Charles Gibbons, Jr., Phila.
28 Gold Fish (*Cyprinus auratus*). Presented by Messrs. T. B. Pauline and Geo. B. Graff, Phila.
30. 1 Barn Owl (*Strix pratincola*). Presented by Mr. C. M. Wert, Phila.
- Dec. 1. 1 Screech Owl (*Scops asio*). Presented by Mr. James Mulligan, Phila.
3. 1 Barred Owl (*Syrnium nebulosum*). Presented by Mr. J. Albert Shermer, Phila.
3 White Rabbits (*Lepus domesticus*). Presented by Mr. John Wood, Phila.
4. 4 Common Camels (*Camelus dromedarius*). Purchased.
4 Bactrian Camels (*Camelus bactrianus*). Purchased.
1 Yellow-cheeked Amazon (*Chrysotis autumnalis*). Presented by Miss Gertrude Abbott, Phila.
5. 1 Horned Grebe (*Podiceps cornutus*). Presented by Mr. J. S. Clampitt, Phila.
8. 1 Coot (*Fulica americana*). Purchased.
2 Common Pigeons (*Columba domestica*). Presented by Master Wm. B. Charlton, Phila.
1 Yellow-footed Rock Kangaroo. (*Petrogale xanthopus*), 1 King Vulture (*Gyparchus papa*). Purchased.
10. 1 Horned Grebe (*Podiceps cornutus*). Presented by Mr. J. W. Sweissfort, Danville, Pa.
11. 1 Leopard (*Felis pardus*), ♂. Purchased.
1 Wild Goose (*Bernicla canadensis*). Presented by Mr. Joseph M. Wilson, Washington, D. C.
13. 1 Golden Eagle (*Aquila canadensis*). Presented by Mr. F. J. Painter, West Chester, Pa.
14. 1 Rough-legged Hawk (*Archibuteo lagopus*). Presented by Mr. John Krider, Phila.
16. 1 Red-tailed Hawk (*Buteo borealis*). Presented by Messrs. B. & H. Coomes, Tincum, Pa.

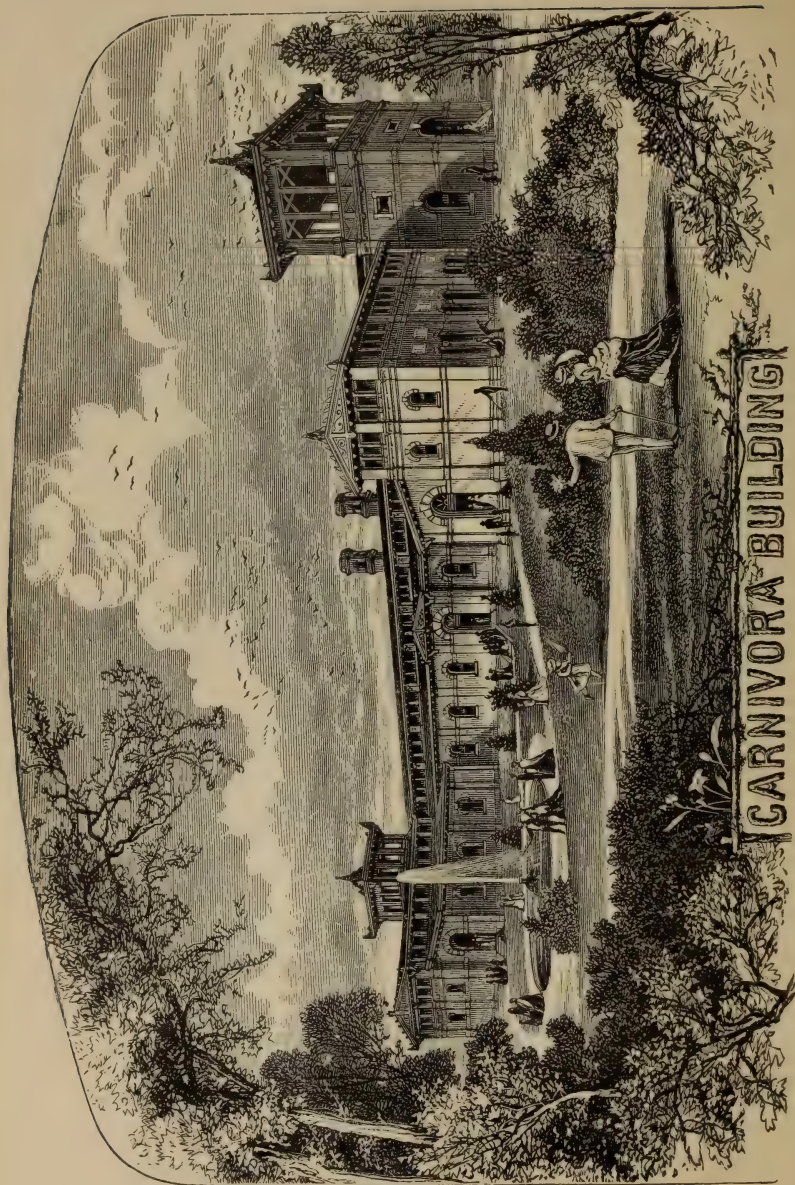
- Dec. 17. 1 Reed Bird (*Dolichonyx oryzivorus*). Presented by Mr. Elton B. Gifford, Phila.
 1 Martinique Waterhen (*Porphyrio martinicus*). Presented by Capt. Samuel Hess, Kaighns Point, Camden, N. J.
 1 Red-tailed Hawk (*Buteo borealis*). Presented by Mr. B. F. Paist, Reeseville, Pa.
 19. 1 Horned Grebe (*Podiceps cornutus*). Presented by Master Harry C. Riley, Phila.
 20. 1 Horned Grebe (*Podiceps cornutus*). Presented by Mr. Chas. P. Blight, Phila.
 23. 1 Screech Owl (*Scops asio*). Presented by Mr. Frederick Brown, Phila.
 24. 2 Snowy Owls (*Nyctea scandiaca*). Purchased.
 25. 1 Great Kangaroo (*Macropus giganteus*). Born in the Gardens.
 30. 1 Great Horned Owl (*Bubo virginianus*). Presented by Mr. John W. Ransom, Phila.

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- Jan. 2. 1 Screech Owl (*Scops asio*). Presented by Mr. Otto Weber,
 1 Cardinal Grosbeak (*Cardinalis virginianus*). Presented by Mr. Duval F. Polk, Phila.
 4. 1 Kit Fox (*Vulpes velox*). Presented by Mr. James A. Storm, St. Joseph, Mo.
 7. 1 Screech Owl (*Scops asio*). Presented by Mr. F. W. Sobyw, Phila.
 3 Musk Rats (*Fiber zibethicus*). Presented by Mr. C. B. Rossell, Trenton, N. J.
 1 Raccoon (*Procyon lotor*). Presented by Master H. B. Miller, Phila.
 9. 1 Banded Rattlesnake (*Crotalus durissus*). Presented by Dr. A. C. W. Beecher, Phila.
 9. 1 Brown Weasel (*Putorius fuscus*). Presented by Mr. John Horan, Overbrook, Pa.
 12. 2 Flying Squirrels (*Pteromys volucella*). Presented by Mr. George Thayer, Louella, Delaware Co.
 13. 3 Leopards (*Felis pardus*, var, *Javanese*). Born in the Gardens.
 16. 1 Golden Eagle (*Aquila canadensis*). Presented by Messrs. Paul and Heichhold, Phila.
 1 Snowy Owl (*Nyctea scandiaca*). Presented by Mr. George De-Haven, Jr., Phila.
 19. 1 Jumping Mouse (*Jaculus hudsonius*). Presented by Mr. O. D. Foulks, Town Point, Pa.
 21. 3 White Deer (*Capreolus caprea*, var), 1 ♂ and 2 ♀, 1 Yak (*Bison grunniens*), 1 Axis Deer (*Cervus axis*), ♀, 1 Zebu (*Bos indicus*), ♀. Purchased.
 1 Pair Peafowls (*Pavo cristatus*). Presented by Mr. John T. Robbins, Morrisville, Bucks Co., Pa.
 1 Guinea Pig (*Cavia cobaya*). Presented by Mr. W. G. Haun, Phila.
 22. 1 Gray Squirrel (*Sciurus carolinensis*). Presented by Mr. M. Erskine, Phila.
 25. 1 Rufous Rat Kangaroo (*Hypsiprymnus rufescens*). Born in the Gardens.
 1 Raccoon (*Procyon lotor*). Presented by Mr. C. B. Rossell, Trenton, N. J.
 26. 1 Domestic Cat (*Felis Domestica*). Presented by Mr. George J. Schmidt, Phila.
 28. 1 Snowy Owl (*Nyctea scandiaca*). Purchased.

- Jan. 28. 1 Red-tailed Hawk (*Buteo borealis*). Presented by Mr. John Krider, Phila.
29. 3 Musk Rats (*Fiber zibethicus*). Presented by Mr. C. B. Rossell, Trenton, N. J.
30. 2 Goldfinch Mules. Presented by Mr. J. R. Hays, Phila.
- Feb. 1. 1 Gray Fox (*Vulpus virginianus*). Presented by Mr. S. D. Barrows, Williamsport, Pa.
4. 1 Mink (*Putorius vison*). Presented by Messrs. E. Mawson & Son, Phila
5. 1 Great Kangaroo (*Macropus giganteus*). Born in the Gardens.
- 1 American Crow (*Corvus americanus*). Presented by Master A. Malloch, Phila.
7. 1 Opossum (*Didelphys virginiana*). Presented by Mr. Robert Ferguson, Jr., Merion Square, Pa.
- 1 Lioness and 2 Whelps (*Felis leo*). Purchased.
8. 1 Fournier's Capromys (*Capromys pilorides*). Presented by Capt. John Evans, Phila.
9. 1 Young Alligator (*Alligator mississippiensis*). Presented by Mr. S. J. Levick, Jr., Phila.
10. 1 Opossum (*Didelphys virginiana*). Presented by the Hon. Alexander Henry, Phila.
- 1 Flying Squirrel (*Pteromys volucella*), Presented by Mr. J. McCabe, Phila.
- 1 Sparrow Hawk (*Tinnunculus sparverius*). Presented by Mr. John Krider, Phila.
14. 1 Tortoise (*Xerobates berlandieri*). Presented by Dr. H. C. Yarrow, Washington, D. C.
- 19 Chequered Tortoises (*Emys picta*), 1 Red-bellied Tortoise (*Emys rubriventris*). Presented by Mr. John Fletcher, Phila.
16. 1 Fulmar Petrel (*Procellaria glacialis*). Presented by Mr. W. H. Zern, Atlantic City, N. J.
19. 1 Opossum (*Didelphys virginiana*). Presented by Mr. Goldbirg, Phila.
- 1 Wild Turkey (*Meleagris gallopavo*). Presented by Mr. Wister, Germantown.
20. 8 Dingoes (*Canis dingo*). Born in the Gardens.
21. 1 Snowy Owl (*Nyctea scandiaca*). Presented by Mr. Wm. Eachus, Wagontown, Chester Co., Pa.
24. 1 Turkey Buzzard (*Cathartes aura*). Presented by Mr. Joseph M. Wilson, Washington, D. C.
- 2 Opossums (*Didelphys virginiana*). Presented by Messrs. S. P. & G. D. Wetherill, Phila.
25. 1 St. Bernard Dog (*Canis familiaris*) Presented by Mr. P. B. Mingle, Phila.
28. 3 Skunks (*Mephitis mephitis*). Presented by Mr. Jos. A. Cunningham, Virginia, Ills.





APPENDIX B.

REPORT OF THE PROSECTOR.

To the President and Directors of Philadelphia Zoological Society,

Gentlemen:—As long as our present ignorance prevails of medicines necessitating purely empirical methods in the treatment of diseases, the articles of the *materia medica* can be expected to relieve but little and uncertainly the ills that flesh is heir to, and still less those diseases that affect the lower animals. In the absence of any rational theory in pathology, the experience of Zoological Societies has been that drugs are of comparatively little use in relieving really serious troubles, but that much can be done in preventing disease by careful study of the animals, and by placing them under conditions approximating as nearly as possible to those of natures as is compatible with the necessities of a menagerie. My experience as Prosector to the Zoological Society convinced me that during the first six months of the existence of the Garden, the principal causes of death were three: 1st, Improper food, both in quantity and quality; 2d, Effects of Temperature, 3d, Ill constructed cages, wanting in sufficient space and deficient in necessary appurtenances, such as water to bathe in, trees to climb, soil to burrow in, &c., according to the nature of the animal. These defects were such as are incidental to the early history of all similar institutions, and have now been remedied by attention to and careful study of the habits of the animals, particularly of our native ones, whose mode of life was not understood. The present excellent condition of the animals and the very moderate mortality of the past year as compared with the preceeding one, I attribute to the effects of a common sense hygienic treatment, the result of careful attention and watchfulness on the part of the directors and those officially connected with the Garden.

The following list gives in tabular form the animals that have died in the garden since January, 1875 to May, 1876, with the cause of death as

far as was possible to be determined. Where no definite cause of death could be found, the previous history generally showed that the animal, after arriving in the Garden, was found to be old or in poor condition, and gradually wasted away. This was more specially so in the case of Birds.

No.	Month.	Name of Animal.	Cause of Death.
1	January.	Monkey, (<i>Macacus Nem.</i>)	Tuberculosis.
2	"	Monkey (<i>Cercopithecus Gris</i>).	"
3	"	Flamingo (<i>Phœnicopterus Rub</i>)	Fungoid disease of lungs
4	"	"	"
5	"	Canvass Duck (<i>Valis</i>).	
6	"	Peccari (<i>Dicotyles Torg</i>).	Inf. of Intestine.
7	"	"	"
8	"	Fox (<i>Vulpes ful</i>).	Prolapsus ani.
9	"	Porcupine (<i>Hystrix cris</i>).	"
10	"	Monkey (<i>Cebus cap</i>).	Pneumonia.
11	"	Wombat (<i>Phascolumys wom</i>).	Prolapsus ani.
12	"	Giraffe (<i>Camelopardalis giraffa</i>)	Inf. of Frachea.
13	February.	Kangaroo (<i>Kalmaturvus beri</i>).	
14	"	Mountain Duck.	
15	"	Heron (<i>Ardea egretta</i>).	
16	"	Monkey (<i>Macacus nem</i>).	Pneumonia.
17	"	Monkey (<i>Cebus cap</i>).	"
18	"	Porcupine (<i>Athema af</i>).	
19	"	Duck (<i>Anas</i>).	
20	"	Wild Pig (<i>Sus scrofa</i>).	
21	March.	Lion Cubs (<i>Felis leo</i>).	Would not suckle.
22	"	Deer (<i>Cariachus virg</i>).	Epizootic.
23	April.	Monkey (<i>Cebus cap</i>).	Tuberculosis.
24	"	Fox (<i>Vulpes fulvus</i>).	
25	May.	Alligator (<i>Alligator miss</i>).	
26	"	Monkey (<i>Antelles geoff</i>).	Tuberculosis.
27	"	Beaver (<i>Castor fib</i>).	Inf. of Cæcum.
28	June.	Monkey (<i>Macacus nem</i>).	
29	"	Wombat <i>Phascolumys McCoy</i>).	Softening of Brain.
30	"	Black-tail Deer (<i>Cervus</i>).	
31	"	Monkey (<i>Cebus cap</i>).	Tuberculosis.
32	"	Bat (<i>Pteropus rub</i>).	Improper confinement.
33	July	Llama (<i>Anchenca llama</i>).	Pericarditis.
34	"	Porcupine (<i>Hystrix cris</i>).	Hepatitis.
35	August	Elephant (<i>Elephas ind</i>).	Filroad tumor of uterus.
36	"	Dasyure (<i>Daysurus viv</i>).	
37	"	Wombat (<i>Phascolumys wom</i>).	
38	"	Capybara (<i>Hydrochoerus cap</i>).	Rupture of bladder.
39	September.	Flamingo (<i>Phœnicopterus rub</i>).	Inf. of lungs.
40	"	Kangaroo <i>Halmaturvus ben</i>).	" stomach.
41	"	Beaver (<i>Castor fib</i>).	" Cæcum.
42	"	Monkey (<i>Macacus nem</i>).	Abscess of liver.
43	"	Bat (<i>Pteropus rub</i>).	Improper confinement.
44	"	Sea cow (<i>Manatus am</i>).	Pericarditis.
45	"	Paca (<i>Coelogenys pae</i>).	Congestion of heart.
46	October.	Antelope (<i>Antelopus am</i>).	Inf. of Trachea.
47	"	Antelope (<i>Antelopus am</i>).	"
48	"	Flamingo (<i>Phœnicoptirus rub</i>).	Disease of Lungs.
49	"	Monkey (<i>Macacus nem</i>).	Tuberculosis.
50	"	Deer (<i>Cervus mac</i>).	Pneumonia.

No.	Month.	Name of Animal.	Cause of Death.
51	October.	Kangaroo (<i>Halmaturvus ben.</i>)	Inf. of brain.
52	"	Sea Cow (<i>Manatus am.</i>)	Pericarditis.
53	"	Toucan (<i>Rhamphastes.</i>)	
54	"	Pigeon (<i>Columba liv.</i>),	
55	"	Iguana (<i>Cyclura.</i>)	Inf. of Intestine.
56	"	Swan (<i>Cygnus.</i>)	
57	November.	Agouti (<i>Dasyprocta ag.</i>)	
58	"	Llama (<i>Auchehia.</i>)	Abscess in neck.
59	"	Monkey (<i>Cebus.</i>)	
60	"	Peccari (<i>Dicotyles lab.</i>)	Pneumonia.
61	"	Monkey (<i>Cebus.</i>)	Tuberculosis.
62	"	Capybara (<i>Hydrochaerus cap.</i>)	Dropsy.
63	"	Agouti (<i>Dasyprocta ag.</i>)	Tuberculosis.
64	"	Reindeer (<i>Tarandus ren.</i>)	Valvular disease of heart.
65	"	Iguana (<i>Iguana corn.</i>)	Abscess in thorax.
66	"	Monkey (<i>Macacus nem.</i>)	
67	"	Marmoset M'ky., (<i>Hapatejac.</i>)	Injury to thorax.
68	"	Reindeer (<i>Tarandus ran.</i>)	
69	"	Boa Constrictor (<i>Boa con.</i>)	
70	"	Ostrich (<i>Rhea am.</i>)	
71	December.	Monkey (<i>Cynelphalus sphinn.</i>)	
72	"	Monkey (<i>Atiles geoff.</i>)	Valv. disease of heart.
73	"	Ocelot (<i>Leopardus pard.</i>)	Dysentery.
74	"	Grebe (<i>Podiceps crist.</i>)	
75	"	Antelope (<i>Antelopus am.</i>)	Pericarditis.
76	"	Guinea Pig (<i>Cavia cob.</i>)	Inf. of liver.
77	"	Monkey (<i>Cercopithecus pyg.</i>)	Convulsions.
78	Jan. 1876.	Monkey (<i>Cynos pors.</i>)	Softening of brain.
79	"	Monkey (<i>Macacus nem.</i>)	Tuberculosis.
80	"	Agouti (<i>Dasyprocta ag.</i>)	
81	"	Peccari (<i>Dicotyles.</i>)	
82	"	Owl (<i>Strin flam.</i>)	Marasmus.
83	"	Monkey (<i>Mas nem.</i>)	Softening of brain.
84	"	" "	Cancer of Uterus.
85	"	Reindeer (<i>Tarandus ran.</i>)	Valv. disease of heart.
86	"	Kangaroo (<i>Macropus Derb.</i>)	
87	February.	Monkey (<i>Cebus cap.</i>)	
88	"	Kangaroo rat (<i>Hypysprimnus men.</i>)	Inf. of pancreas.
89	"	Monkey (<i>Cebus apell.</i>)	Invagination of Int.
90	"	3 Dingo Pups (<i>Canis dingo.</i>)	
91	"	Parrot (<i>Pacatua lead.</i>)	Injuries from a fall.
92	"	Monkey (<i>Mac nem.</i>)	Softening of brain.
93	"	Pigeon (<i>Palcenas nis.</i>)	
94	March	Lion Cubs (<i>Felis leo.</i>)	
95	"	Antelope (<i>Antelopa.</i>)	Pericarditis.
96	"	Parrot (<i>Pacatua lead.</i>)	
97	"	Guan.	
98	"	Parrot (<i>Phyrstotis fes.</i>)	
99	"	Owl (<i>Strin flam.</i>)	
100	"	Curassow (<i>Cran alector.</i>)	
101	"	Green Monkey.	Hypertrophy of heart.
102	"	Monkey (<i>Cebus cap.</i>)	
103	"	Squirrel (<i>Sciurus.</i>)	

